

CLAIMS

1 (Amended). A digital projector comprising:

an input receiving digital data defining image frames; and

an optical modulator adapted to generate a series of images corresponding to said digital data, said images being separated by black intervals selected to induce a stroboscopic effect in the eye of a viewer, said stroboscopic effect being selected to improve relative motion perception.

6 (Amended). A digital projector adapted to generate moving images from a stream of data arranged in digital frames, said projector comprising:

an input adapted to receive said stream of data;

a timer adapted to generate blink signals in synchronism with said digital frames, said blink signals being adapted to define a black interval adapted to induce a stroboscopic effect to improve relative motion perception; and

an optical image generator adapted to generate a sequence of optical images corresponding to said sequence of digital frames, said optical images being separated by said black intervals.

12 (Amended). A method of generating moving images from data comprising :

generating blink signals defining black intervals selected to induce a stroboscopic effect in the eyes of a viewer to improve relative motion perception;

converting said data into images; and

projecting said images on a screen with said images being separated by said

at
end

black intervals.

14 (Amended). The method of claim 12 further comprising defining frames having frame durations that define the rate at which said images are projected.

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15 (Amended). The method of claim 14 wherein said black intervals are at least 50% of said frame durations.

16 (Amended). The method of claim 12 wherein said data is partitioned into digital frames, the data of each frame defining a corresponding image, and wherein one black interval is associated with each digital frame.

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17(New). The method of claim 12 wherein said blink signals are selected to imitate the blinking of the viewer's eye.
